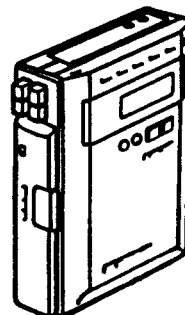


AIWA®

HS-J505

SERVICE MANUAL



STEREO RADIO CASSETTE RECORDER

• BASIC TAPE MECHANISM : $\alpha - 1$

• TYPE. AH1,AU.AC.AE,AE1,AK1,AZ

SPECIFICATIONS

Frequency range:

FM: 87.5/87.5 — 108.1/108 MHz
(200/50 kHz STEP)

AM: 530/531 — 1710/1602kHz
(10/9 kHz STEP)

Maximum output:

10mW + 10mW (EIAJ/16 Ω)

Power source:

Battery DC 2V, rechargeable lead
battery (PB-3) $\times$ 1

Battery DC3V, LR-03 (UM-4, AAA,
R03) $\times$ 2

Domestic AC power (using AC adaptor)

Maximum dimensions (W $\times$ H $\times$ D):

79.8 $\times$ 109.5 $\times$ 29.3mm

Weight

215g (without batteries)

- Design and specifications are subject to change without notice.
- Noise reduction system manufactured under license from Dolby Laboratories Licensing Corporation.
- "Dolby", the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

AIWA Co., Ltd.

Tokyo Japan

Printed in Japan

DISASSEMBLY INSTRUCTIONS

1. "Panel, Control, Cabinet, Rear and Frame, Center" Removal (See Figure - 1)

(See Figure - 1)

- 1) Remove 3 screws (A) and take out the "Panel, Control".
- 2) Remove 3 screws (B) and take out the "Cabinet, Rear" in the direction of the arrow ①.
- 3) Remove 2 screws (C) and release two Hooks, then take out the "Frame, Center" in the direction of the arrow ②.

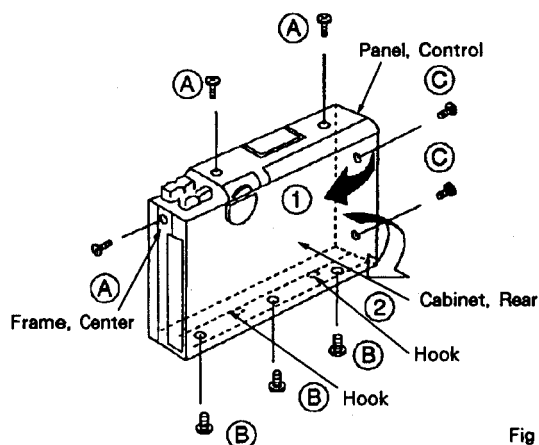


Fig - 1

2. "Lid, Cassette" Removal (See Figure - 2)

- 1) Remove 3 screws (A×2, B×1) and remove the "Lid, Cassette".

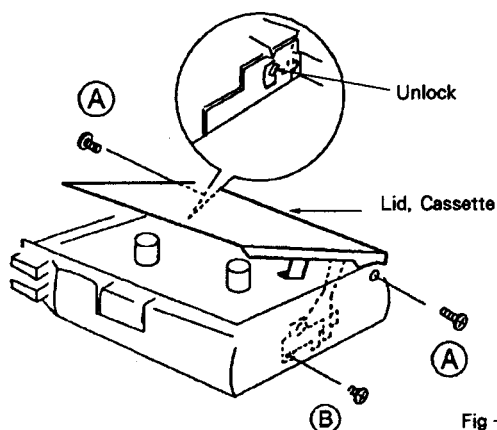


Fig - 2

3. "Main Curcuit Board" Removal (See Figure - 3)

- 1) Remove 2 screws (A).

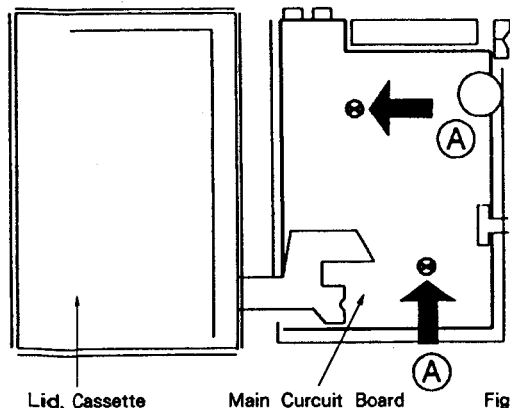


Fig - 3

4. "Holder, Cassette" Removal (See Figure - 4)

- 1) Remove 5 screws (A).

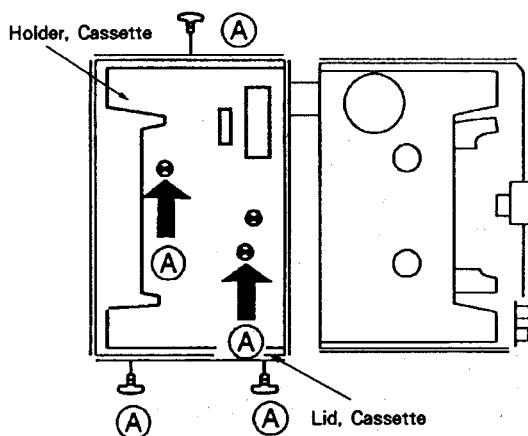


Fig - 4

5. "Front Circuit Board" Removal (See Figure - 5)

- 1) Remove 2 screws (A).

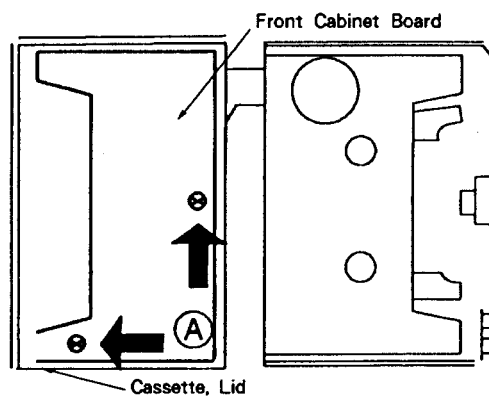


Fig - 5

6. "Button, PLAY" Removal (See Figure - 6)

- 1) Remove the "Panel, Control" and "Cabinet, Rear".
- 2) Move the "Button, PLAY" in the direction of the arrow ① by 1.5mm to release the lock and pull it up in the direction of the arrow ② to remove it.

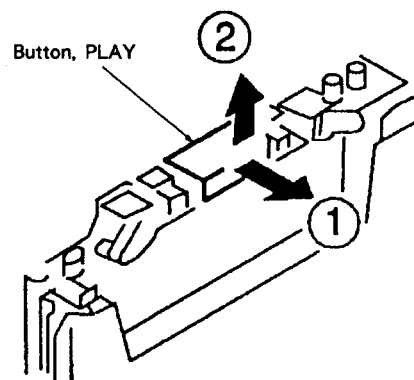


Fig - 6

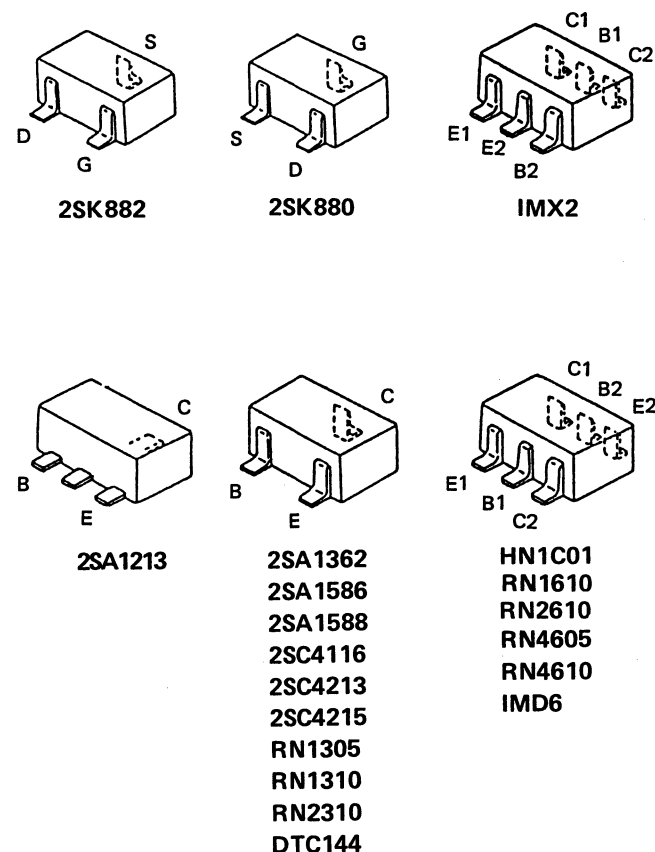
REF.NO.	PART NO.	DESCRIPTION	REF.NO.	PART NO.	DESCRIPTION
C123	*87-012-199-010	CAP,CHIP SS 220P-50 CH	C901	*87-010-640-010	CAP,CHIP TANTALUM 22-4
C124	*87-012-286-010	CAP,CHIP SS 0.01-25 B	C902	*87-010-664-010	CAP,CHIP ELECT 47-4 MV
C125	*87-012-286-010	CAP,CHIP SS 0.01-25 B	C903	*87-012-360-010	CAP,CHIP S 1-10 FZ
C126	*87-012-276-010	CAP,CHIP SS 1500P-50 B	C904	*87-012-360-010	CAP,CHIP S 1-10 FZ
C127	*87-010-424-010	CAP,CHIP TANTALUM 4.7-4	CF1	*87-008-455-010	FILTER KIT 10.7M
C128	*87-012-286-010	CAP,CHIP SS 0.01-25 B	CF2	+++	FILTER KIT 10.7M
C129	*87-012-280-010	CAP,CHIP SS 3300P-50 B	CF4	+++	FILTER KIT 10.7M
C131	*87-012-272-010	CAP,CHIP SS 680P-50 B	CF3	*87-008-396-010	FILTER,CF 450KHZ
C132	*87-012-272-010	CAP,CHIP SS 680P-50 B	CF5	*87-030-182-010	CERALOCK CSB456F-FBL18
C133	*87-012-274-010	CAP,CHIP SS 1000P-50 B	CP1	87-026-248-010	PHOTO SENSOR,ON2270Q2
C134	*87-012-274-010	CAP,CHIP SS 1000P-50 B	D2	87-001-708-010	DIODE,VARICAP 1SV228
C135	*87-012-274-010	CAP,CHIP SS 1000P-50 B	D4	87-001-708-010	DIODE,VARICAP 1SV228
C136	*87-012-274-010	CAP,CHIP SS 1000P-50 B	D5	*87-026-435-010	DIODE,VARICAP KV1560
C137	*87-010-828-010	CAP,CHIP SS 0.033-25 F	J101	87-009-252-010	JACK,3.5 R(L)(MIC)
C138	*87-010-828-010	CAP,CHIP SS 0.033-25 F	J103	87-049-859-010	JACK,DC REFLOW BLK(DC2V)
C139	*87-012-282-010	CAP,CHIP SS 4700P-50 B	L2	*80-HJ3-615-010	COIL,RF FM Y
C140	*87-012-282-010	CAP,CHIP SS 4700P-50 B	L4	*80-HJ3-616-010	COIL,OSC FM Y
C141	*87-010-424-010	CAP,CHIP TANTALUM 4.7-4	L5	*87-006-168-010	COIL,IFT FM
C142	*87-010-424-010	CAP,CHIP TANTALUM 4.7-4	L6	*84-462-618-010	COIL,LOADING
C143	*87-012-286-010	CAP,CHIP SS 0.01-25 B	L8	*87-003-226-010	COIL,100UH
C144	*87-012-286-010	CAP,CHIP SS 0.01-25 B	L9	*87-008-420-010	IFT 450K MW
C145	*87-010-828-010	CAP,CHIP SS 0.033-25 F	L10	*87-005-262-010	COIL,10UH
C146	*87-010-828-010	CAP,CHIP SS 0.033-25 F	L101	*87-007-270-010	COIL,OSC BIAS
C147	*87-010-759-010	CAP,CHIP SS 0.1-25 F	L102	*87-003-218-010	COIL,1UH
C148	*87-010-196-010	CAP,CHIP S 0.1-25 F	R308	*87-022-042-010	RES,CHIP M/F 0.51-1/8
C149	*87-010-673-010	CAP,CHIP ELECT 100-2	R314	*87-022-043-010	RES,CHIP M/F 8.2K-1/8
C150	*87-010-668-010	CAP,CHIP ELECT 220-4 MV	S1	87-036-123-010	SLIDE SW(FM MODE)
C151	*87-012-360-010	CAP,CHIP S 1-10 FZ	S102	87-036-082-010	SLIDE SW(REC/PB)
C152	*87-012-360-010	CAP,CHIP S 1-10 FZ	S103	87-036-123-010	SLIDE SW(TAPE)
C153	*87-010-757-010	CAP,CHIP SS 0.047-25 F	S104	87-036-123-010	SLIDE SW(DOLBY NR)
C154	*87-010-757-010	CAP,CHIP SS 0.047-25 F	S301	87-036-123-010	SLIDE SW(PAUSE)
C155	*87-010-757-010	CAP,CHIP SS 0.047-25 F	S302	87-036-083-010	PUSH SW(POWER)
C156	*87-010-757-010	CAP,CHIP SS 0.047-25 F	SFR101	*87-024-288-010	SFR 10K
C157	*87-012-270-010	CAP,CHIP SS 470P-50 B	SFR102	*87-024-288-010	SFR 10K
C158	*87-012-270-010	CAP,CHIP SS 470P-50 B	SFR301	*87-024-076-010	SFR 1K
C159	*87-012-360-010	CAP,CHIP S 1-10 FZ	TC2	*87-011-189-010	CAP,TRIMMER CTZ-10A
C160	*87-012-360-010	CAP,CHIP S 1-10 FZ	TC3	*87-011-189-010	CAP,TRIMMER CTZ-10A
C161	*87-010-787-010	CAP,CHIP SS 0.022-25 B	VR201	87-024-142-010	VOLUME,20KC(VOLUME)
C162	*87-010-787-010	CAP,CHIP SS 0.022-25 B	--- CONTROL CIRCUIT BOARD SECTION ---		
C163	*87-012-270-010	CAP,CHIP SS 470P-50 B	BAT1	*84-462-614-010	BATT CL
C164	*87-012-270-010	CAP,CHIP SS 470P-50 B	C501	*87-012-184-010	CAP,CHIP SS 33P-50 CH
C167	*87-010-662-010	CAP,CHIP ELECT 22-6.3	C502	*87-012-170-010	CAP,CHIP SS 8P-50 CH
C168	*87-010-668-010	CAP,CHIP ELECT 220-4 MV	C503	*87-012-286-010	CAP,CHIP SS 0.01-25 B
C169	*87-010-664-010	CAP,CHIP ELECT 47-4 MV	C504	*87-010-759-010	CAP,CHIP SS 0.1-25 F
C171	*87-010-668-010	CAP,CHIP ELECT 220-4 MV	C505	*87-010-759-010	CAP,CHIP SS 0.1-25 F
C172	*87-010-828-010	CAP,CHIP SS 0.033-25 F	C506	*87-012-286-010	CAP,CHIP SS 0.01-25 B
C175	*87-010-452-010	CAP,CHIP 1-16 F	C508	*87-012-199-010	CAP,CHIP SS 220P-50 CH
C176	*87-010-452-010	CAP,CHIP 1-16 F	C509	*87-012-197-010	CAP,CHIP SS 150P-50 CH
C177	*87-010-674-010	CAP,CHIP ELECT 220-2 MV	C510	*87-010-787-010	CAP,CHIP SS 0.022-25 B
C178	*87-010-674-010	CAP,CHIP ELECT 220-2 MV	C511	*87-010-505-010	CAP,CHIP TANTALUM 1-16
C179	*87-010-452-010	CAP,CHIP 1-16 F	C512	*87-012-195-010	CAP,CHIP SS 100P-50 CH
C180	*87-010-452-010	CAP,CHIP 1-16 F	C513	*87-012-360-010	CAP,CHIP S 1-10 FZ
C301	*87-012-286-010	CAP,CHIP SS 0.01-25 B	C514	*87-012-286-010	CAP,CHIP SS 0.01-25 B
C302	*87-012-360-010	CAP,CHIP S 1-10 FZ	C515	*87-012-199-010	CAP,CHIP SS 220P-50 CH
C303	*87-010-452-010	CAP,CHIP 1-16 F	C516	*87-012-195-010	CAP,CHIP SS 100P-50 CH
C304	*87-010-424-010	CAP,CHIP TANTALUM 4.7-4	C517	*87-012-142-010	CAP,CHIP S 0.33-16 F
C306	*87-010-746-010	CAP,CHIP TANTALUM 10-4	C518	*87-012-172-010	CAP,CHIP SS 10P-50 CH
C307	*87-015-934-010	CAP,CHIP TANTALUM 2.2-4	C519	*87-012-276-010	CAP,CHIP SS 1500P-50. B
C308	*87-010-452-010	CAP,CHIP 1-16 F	C520	*87-012-286-010	CAP,CHIP SS 0.01-25 B
C309	*87-010-424-010	CAP,CHIP TANTALUM 4.7-4	C521	*87-010-746-010	CAP,CHIP TANTALUM 10-4
C310	*87-010-668-010	CAP,CHIP ELECT 220-4 MV	C522	*87-010-424-010	CAP,CHIP TANTALUM 4.7-4
C311	*87-012-195-010	CAP,CHIP SS 100P-50 CH	C701	*87-012-360-010	CAP,CHIP S 1-10 FZ
C312	*87-010-196-010	CAP,CHIP S 0.1-25 F	C702	*87-012-360-010	CAP,CHIP S 1-10 FZ
C313	*87-010-667-010	CAP,CHIP ELECT 100-4 MV			

ELECTRICAL MAIN PARTS LIST

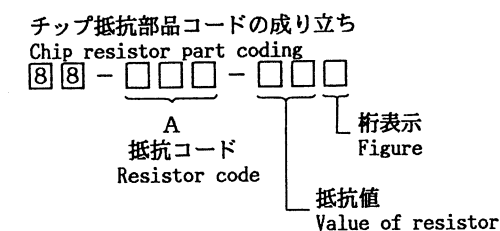
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--- IC ---			C23	*87-012-286-010	CAP,CHIP SS 0.01-25 B
	87-001-351-010	IC,AN6612S	C24	*87-010-243-010	CAP,CHIP TANTALUM 10-4
	87-001-808-010	IC,ASP5410	C25	*87-012-286-010	CAP,CHIP SS 0.01-25 B
	87-001-147-010	IC,BA1102FS	C26	*87-010-759-010	CAP,CHIP SS 0.1-25 F
	87-001-373-010	IC,CXA1278N	C27	*87-012-286-010	CAP,CHIP SS 0.01-25 B
	87-020-234-010	IC,TA7688F(S)	C28	*87-012-253-010	CAP,CHIP SS 33P-50 UJ
	87-001-145-010	IC,TA8126F	C29	*87-012-272-010	CAP,CHIP SS 680P-50 B
	87-001-548-010	IC,TA8132AF	C30	*87-012-282-010	CAP,CHIP SS 4700P-50 B
	87-001-931-010	IC,TA8152AFN	C30	*87-012-286-010	CAP,CHIP SS 0.01-25 B
	87-001-550-010	IC,TC7S04F	C31	*87-012-286-010	CAP,CHIP SS 0.01-25 B
	87-001-585-010	IC,TC7S32F	C32	*87-010-787-010	CAP,CHIP SS 0.022-25 B
	87-001-972-010	IC,TC9308AF-029	C33	*87-010-424-010	CAP,CHIP TANTALUM 4.7-4
	87-001-151-010	IC,TD6134F1	C34	*87-012-282-010	CAP,CHIP SS 4700P-50 B
--- TRANSISTOR ---			C35	*87-010-668-010	CAP,CHIP ELECT 220-4 MV
	89-508-805-010	FET,2SK880GR	C36	*87-010-668-010	CAP,CHIP ELECT 220-4 MV
	89-508-804-010	FET,2SK880Y	C37	*87-010-668-010	CAP,CHIP ELECT 220-4 MV
	89-508-824-010	FET,2SK882Y	C38	*87-010-503-010	CAP,ELECT 220-4 GAS
	89-112-134-010	TRANSISTOR,2SA1213Y	C39	*87-012-286-010	CAP,CHIP SS 0.01-25 B
	89-113-625-010	TRANSISTOR,2SA1362GR	C41	*87-012-273-010	CAP,CHIP SS 820P-50 B
	89-115-864-010	TRANSISTOR,2SA1586Y	C42	*87-010-759-010	CAP,CHIP SS 0.1-25 F
	89-115-884-010	TRANSISTOR,2SA1588Y	C43	*87-012-286-010	CAP,CHIP SS 0.01-25 B
	89-341-165-010	TRANSISTOR,2SC4116GR	C44	*87-012-278-010	CAP,CHIP SS 2200P-50 B
	89-342-132-010	TRANSISTOR,2SC4213B	C45	*87-012-360-010	CAP,CHIP S 1-10 FZ
	89-342-153-010	TRANSISTOR,2SC4215(O)	C46	*87-012-360-010	CAP,CHIP S 1-10 FZ
	87-026-352-010	TRANSISTOR,DTC144TU	C47	*87-010-759-010	CAP,CHIP SS 0.1-25 F
	87-026-466-010	TRANSISTOR,HN1C01F(Y)	C48	*87-010-830-010	CAP,CHIP SS 0.068-16 F
	87-026-358-010	TRANSISTOR,IMD6	C49	*87-010-759-010	CAP,CHIP SS 0.1-25 F
	87-026-407-010	TRANSISTOR,IMX2	C50	*87-012-280-010	CAP,CHIP SS 3300P-50 B
	87-026-413-010	TRANSISTOR,RN1305	C51	*87-010-784-010	CAP,CHIP SS 0.012-25 B
	87-026-417-010	TRANSISTOR,RN1310	C52	*87-010-784-010	CAP,CHIP SS 0.012-25 B
	87-026-476-010	TRANSISTOR,RN1610	C53	*87-010-667-010	CAP,CHIP ELECT 100-4 MV
	87-026-428-010	TRANSISTOR,RN2310	C55	*87-012-286-010	CAP,CHIP SS 0.01-25 B
	87-026-479-010	TRANSISTOR,RN2610	C56	*87-012-286-010	CAP,CHIP SS 0.01-25 B
	87-026-480-010	TRANSISTOR,RN4605	C57	*87-010-759-010	CAP,CHIP SS 0.1-25 F
	87-026-482-010	TRANSISTOR,RN4610	C58	*87-012-286-010	CAP,CHIP SS 0.01-25 B
			C59	*87-012-199-010	CAP,CHIP SS 220P-50 CH
--- DIODE ---			C60	*87-012-172-010	CAP,CHIP SS 10P-50 CH
	87-020-339-010	DIODE,CHIP 1SS226	C61	*87-012-337-010	CAP,CHIP SS 56P-50 CH
	87-001-165-010	DIODE,CHIP 1SS300	C62	*87-010-759-010	CAP,CHIP SS 0.1-25 F
	87-001-166-010	DIODE,CHIP 1SS301	C63	*87-012-269-010	CAP,CHIP SS 390P-50 B
	87-001-167-010	DIODE,CHIP 1SS302	C64	*87-012-286-010	CAP,CHIP SS 0.01-25 B
	87-001-221-010	DIODE,CHIP 1SS319	C65	*87-012-193-010	CAP,CHIP SS 82P-50 CH
	87-001-553-010	DIODE,CHIP 1SS322	C101	*87-010-215-010	CAP,CHIP TANTALUM 0.047-35
			C102	*87-010-215-010	CAP,CHIP TANTALUM 0.047-35
--- MAIN CIRCUIT BOARD SECTION ---			C103	*87-012-284-010	CAP,CHIP SS 6800P-50 B
BPF1	*87-008-406-010	BPF GFMB1	C104	*87-012-284-010	CAP,CHIP SS 6800P-50 B
C2	*87-010-757-010	CAP,CHIP SS 0.047-25 F	C105	*87-012-278-010	CAP,CHIP SS 2200P-50 B
C4	*87-012-191-010	CAP,CHIP SS 68P-50 CH	C106	*87-012-278-010	CAP,CHIP SS 2200P-50 B
C5	*87-012-286-010	CAP,CHIP SS 0.01-25 B	C107	*87-010-784-010	CAP,CHIP SS 0.012-25 B
C7	*87-010-757-010	CAP,CHIP SS 0.047-25 F	C108	*87-010-784-010	CAP,CHIP SS 0.012-25 B
C9	*87-012-184-010	CAP,CHIP SS 33P-50 CH	C109	*87-010-243-010	CAP,CHIP TANTALUM 10-4
C11	*87-012-162-010	CAP,CHIP SS 1P-50 CH	C110	*87-010-243-010	CAP,CHIP TANTALUM 10-4
C12	*87-012-337-010	CAP,CHIP SS 56P-50 CH	C111	*87-010-787-010	CAP,CHIP SS 0.022-25 B
C13	*87-012-198-010	CAP,CHIP SS 180P-50 CH	C112	*87-010-787-010	CAP,CHIP SS 0.022-25 B
C15	*87-012-282-010	CAP,CHIP SS 4700P-50 B	C113	*87-010-452-010	CAP,CHIP 1-16 F
C16	*87-012-271-010	CAP,CHIP SS 560P-50 B	C114	*87-010-452-010	CAP,CHIP 1-16 F
C17	*87-012-275-010	CAP,CHIP SS 1200P-50 B	C115	*87-012-276-010	CAP,CHIP SS 1500P-50 B
C18	*87-010-746-010	CAP,CHIP TANTALUM 10-4	C116	*87-012-276-010	CAP,CHIP SS 1500P-50 B
C19	*87-012-286-010	CAP,CHIP SS 0.01-25 B	C117	*87-010-452-010	CAP,CHIP 1-16 F
C20	*87-010-757-010	CAP,CHIP SS 0.047-25 F	C118	*87-010-452-010	CAP,CHIP 1-16 F
C21	*87-012-286-010	CAP,CHIP SS 0.01-25 B	C119	*87-010-243-010	CAP,CHIP TANTALUM 10-4
C22	*87-010-787-010	CAP,CHIP SS 0.022-25 B	C120	*87-010-243-010	CAP,CHIP TANTALUM 10-4
			C121	*87-010-243-010	CAP,CHIP TANTALUM 10-4
			C122	*87-010-746-010	CAP,CHIP TANTALUM 10-4

REF.NO.	PART NO.	DESCRIPTION
C703	*87-010-746-010	CAP,CHIP TANTALUM 10-4
C704	*87-010-424-010	CAP,CHIP TANTALUM 4.7-4
C705	*87-012-286-010	CAP,CHIP SS 0.01-25 B
C706	*87-012-286-010	CAP,CHIP SS 0.01-25 B
C707	*87-010-757-010	CAP,CHIP SS 0.047-25 F
C708	*87-010-757-010	CAP,CHIP SS 0.047-25 F
C709	*87-010-757-010	CAP,CHIP SS 0.047-25 F
C710	*87-010-757-010	CAP,CHIP SS 0.047-25 F
C711	*87-010-757-010	CAP,CHIP SS 0.047-25 F
C712	*87-010-757-010	CAP,CHIP SS 0.047-25 F
C713	*87-012-191-010	CAP,CHIP SS 68P-50 CH
C714	*87-012-191-010	CAP,CHIP SS 68P-50 CH
C715	*87-012-360-010	CAP,CHIP S 1-10 FZ
C716	*87-012-360-010	CAP,CHIP S 1-10 FZ
C717	*87-015-934-010	CAP,CHIP TANTALUM 2.2-4
C718	*87-015-934-010	CAP,CHIP TANTALUM 2.2-4
C719	*87-012-142-010	CAP,CHIP S 0.33-16 F
C720	*87-012-142-010	CAP,CHIP S 0.33-16 F
C721	*87-010-424-010	CAP,CHIP TANTALUM 4.7-4
C722	*87-010-424-010	CAP,CHIP TANTALUM 4.7-4
C723	*87-012-273-010	CAP,CHIP SS 820P-50 B
C724	*87-012-273-010	CAP,CHIP SS 820P-50 B
C725	*87-012-360-010	CAP,CHIP S 1-10 FZ
D506	87-020-508-010	LED SLM-13VW(OPE/BATT)
L501	*87-003-231-010	COIL,S 1UH
L502	*87-006-173-010	COIL,DD 5CDL
LCD1	89-HJ3-611-010	LCD HS ASSY(DISPLAY)
S501	87-036-123-010	SLIDE SW(HOLD)
S502	87-036-123-010	SLIDE SW(9K/10K)
S503	87-036-145-010	SLIDE SW(TAPE/AM/FM)
S504	87-030-152-010	TACT SW(V/MIN)
S505	87-030-152-010	TACT SW(MEMORY/SET)
S506	87-030-152-010	TACT SW(AUTO PRESET)
S507	87-030-152-010	TACT SW(A/HOUR)
S508	87-030-152-010	TACT SW(PRESET/CLOCK1)
S509	87-030-152-010	TACT SW(PRESET/CLOCK2)
S510	87-030-152-010	TACT SW(PRESET/CLOCK3)
S511	87-030-152-010	TACT SW(PRESET/CLOCK4)
S512	87-030-152-010	TACT SW(PRESET/CLOCK5)
S701	87-036-123-010	SLIDE SW(DSL)
X501	*87-030-180-010	XTAL KF-38R5 8A
=== REGULATOR CIRCUIT BOARD SECTION ===		
C401	*84-439-620-010	CAP,ELECT 470-4
TM3	*80-HR4-207-010	TERMINAL ASSY 1.4
=== TERMINAL CIRCUIT BOARD SECTION ===		
TM1	80-HF1-207-110	TERMINAL ASSY,1.4F
=== HEAD CIRCUIT BOARD SECTION ===		
PCB-E	84-465-607-110	RPH ASSY(W/PCB-E)
RPH	84-462-612-110	FLEXIBLE CIRCUIT BOARD
S101	84-465-608-010	HEAD RPH
	84-541-602-010	SLIDE SW(FWD/REV)
=== CONNECT-1 CIRCUIT BOARD SECTION ===		
PCB-F	*84-462-603-010	CONNECT-1 CIRCUIT BOARD
=== CONNECT-2 CIRCUIT BOARD SECTION ===		
PCB-G	*80-HJ3-608-010	CONNECT-2 CIRCUIT BOARD
=== JACK CIRCUIT BOARD SECTION ===		
PCB-H	*80-HJ4-616-010	JACK CIRCUIT BOARD

REF.NO.	PART NO.	DESCRIPTION
J102	87-009-248-010	JACK,3.5 BK(L)(PHONES)
=== VOLUME CIRCUIT BOARD SECTION ===		
VR701	80-HJ3-614-010	VOLUME 200KA ASSY(W/PCB-I)(BBE)
=== MISCELLANEOUS ===		
EH	86-541-601-110	E HEAD
L7	*84-462-617-010	BAR-ANT
M1	87-045-303-010	MOTOR(26FL-0611)



チップ抵抗部品コード/CHIP RESISTOR PART CODE

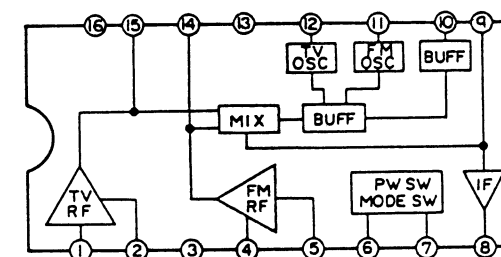


チップ抵抗 Chip resistor

Wattage 容量	Type 種類	Tolerance 許容誤差	Symbol 記号	Dimensions/寸法(mm)				Resistor Code : A 抵抗コード : A
1/32W	1608	±5%	CJ	Form/外形	L	W	t	108
1/10W	2125	±5%	CJ		1.6	0.8	0.35	118
1/8W	3216	±5%	CJ		2	1.25	1.45	128
					3.2	1.6	0.5 ~0.7	128

IC BLOCK DIAGRAM

IC,TA8152AFN



PRACTICAL SERVICE FIGURE

< RADIO SECTION >

Sensitivity :	
(IHF THD 3%)	FM 13 ± 3dB (98.0MHz)
(S/N 10dB)	AM 54 ± 4dB (999kHz)
	AM 54 ± 4dB (1000kHz) (U ONLY)
Intermediate frequency :	FM 10.7MHz
	AM 450kHz
FM stereo separation :	FM 20 ± 4dB (1kHz)

< TAPE RECORDER SECTION >

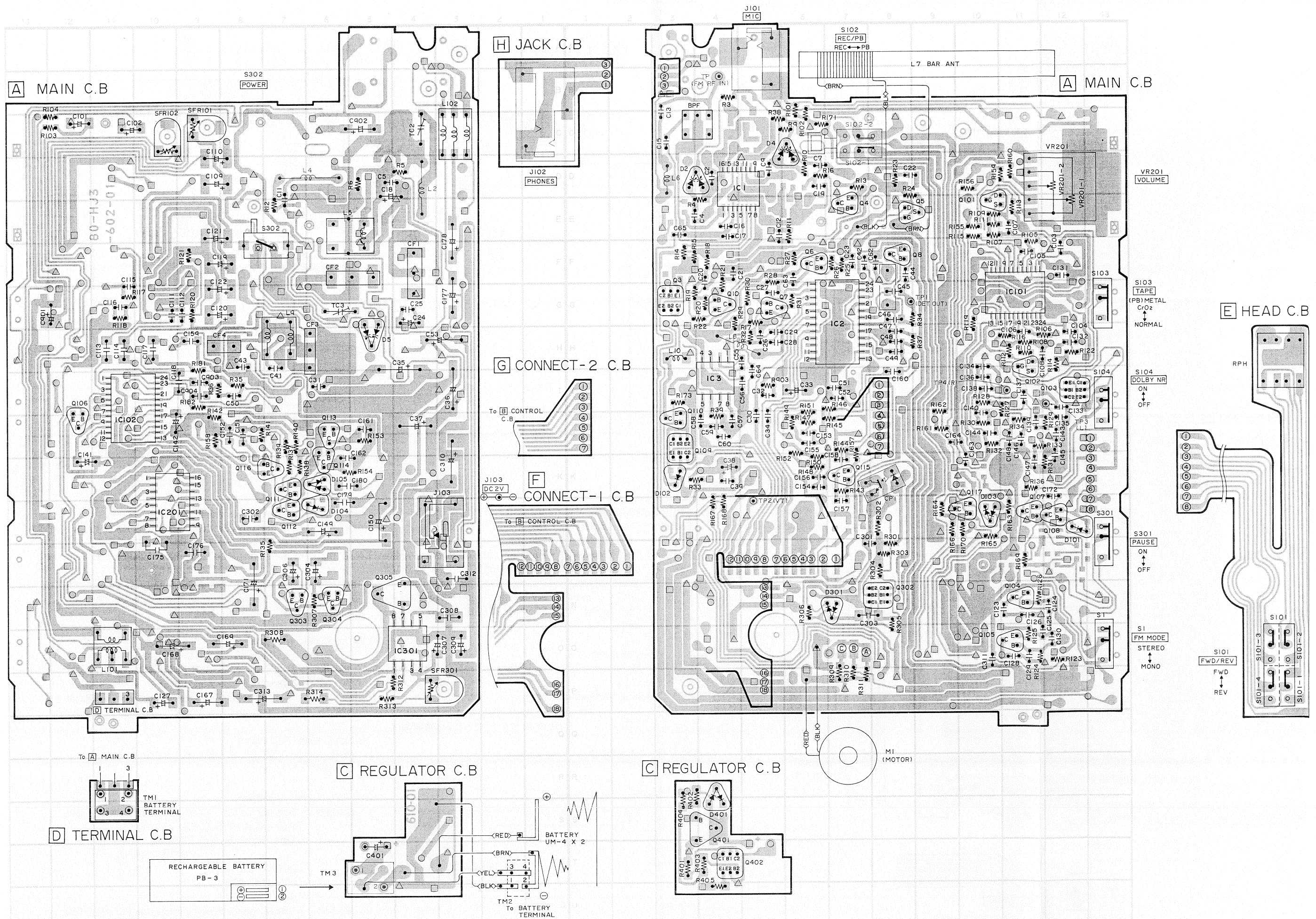
Bias frequency :	54kHz
Erasing ratio :	More than 50dB
Wow & flutter :	Less than 0.45% (RMS)
Pinch roller press :	135 ± 15g-cm
Take-up torque :	25~45g-cm (FWD, REV)
F.F & Rew torque :	80~130g-cm
Back tension :	2~3.5g-cm (FWD, REV)
S/N ratio :	54 ± 4dB (PB)
	30 + 5dB (REC/PB)
Distortion :	Less than 3.0% (PB)
	Less than 10.0% (REC/PB)
Noise level :	Less than 3.0mV (VOL MAX PB)
	Less than 20.0mV (VOL MAX REC/PB)
Frequency response :	63Hz~8kHz ± 4.0dB (NORMAL)
	63Hz~10kHz ± 5.0dB (CrO2, METAL)

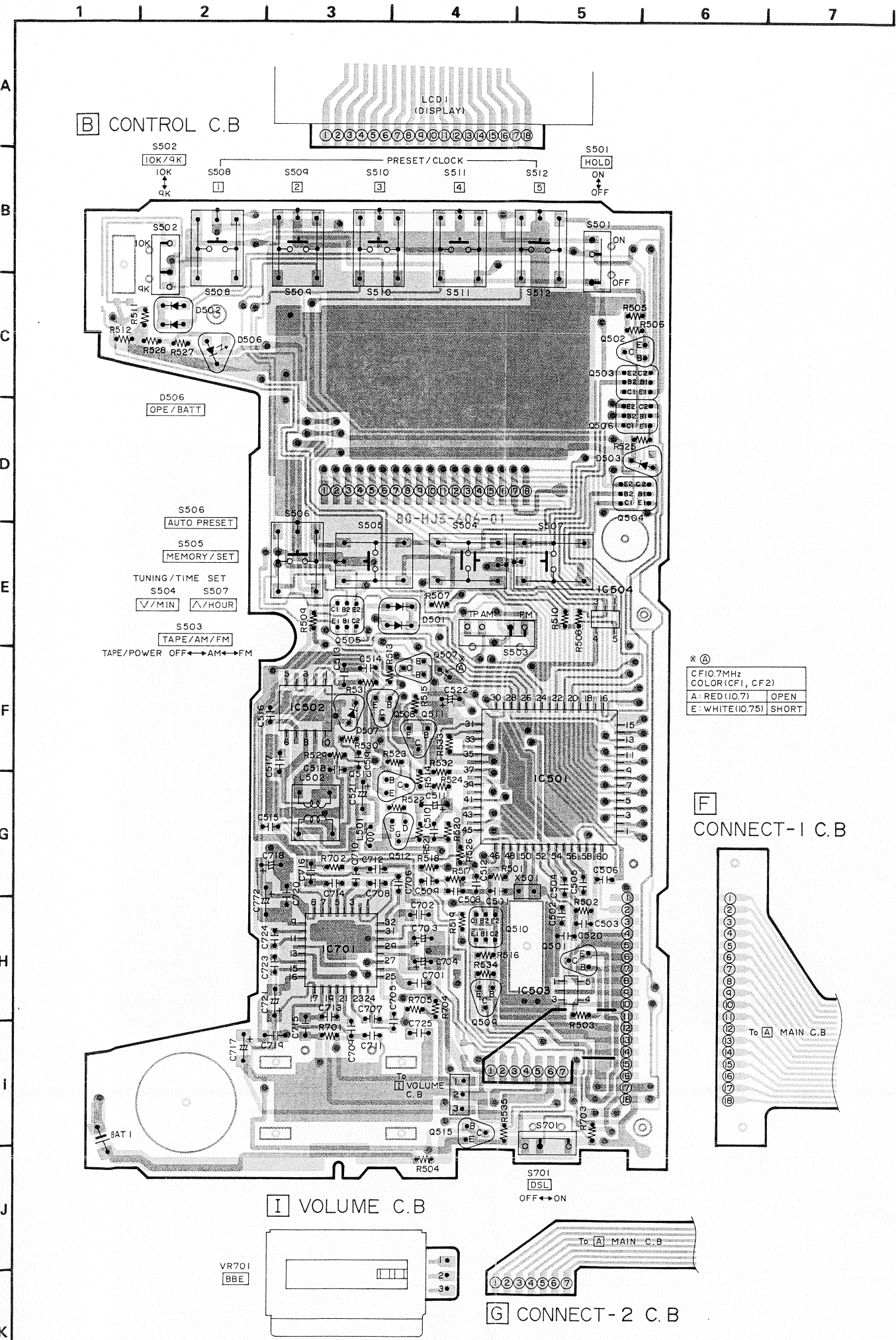
See the HS - J303/J900 for the IC description below

	HS - J505	HS - J303/J900
①	TC9308AF - 029	TC9308AF - 014

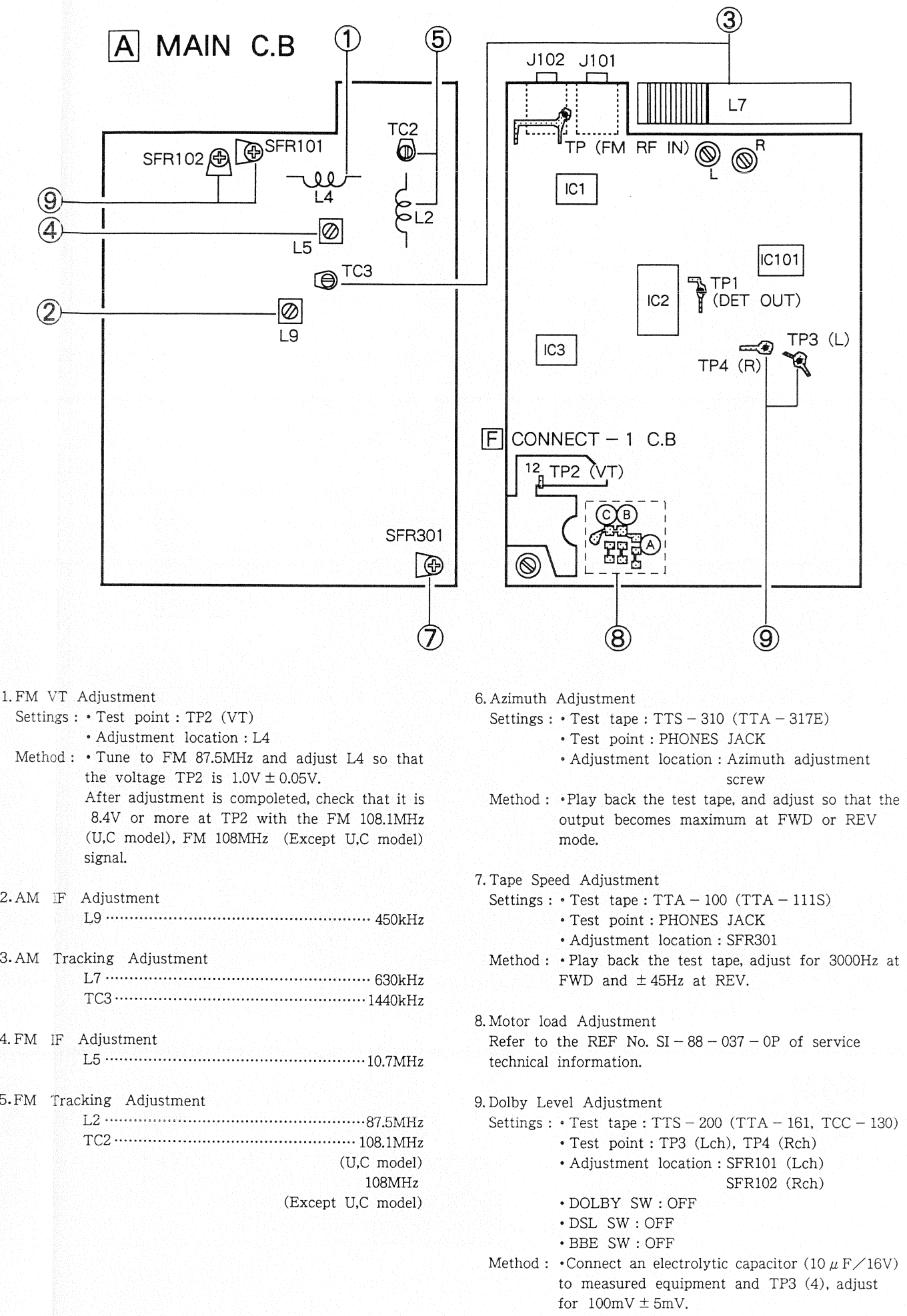
IC BLOCK DIAGRAM

TA8132AF, CXA1278FS, TA7688FS, BA1102FS, AN6612S
Refer to the HS - J303/J900 service manual.



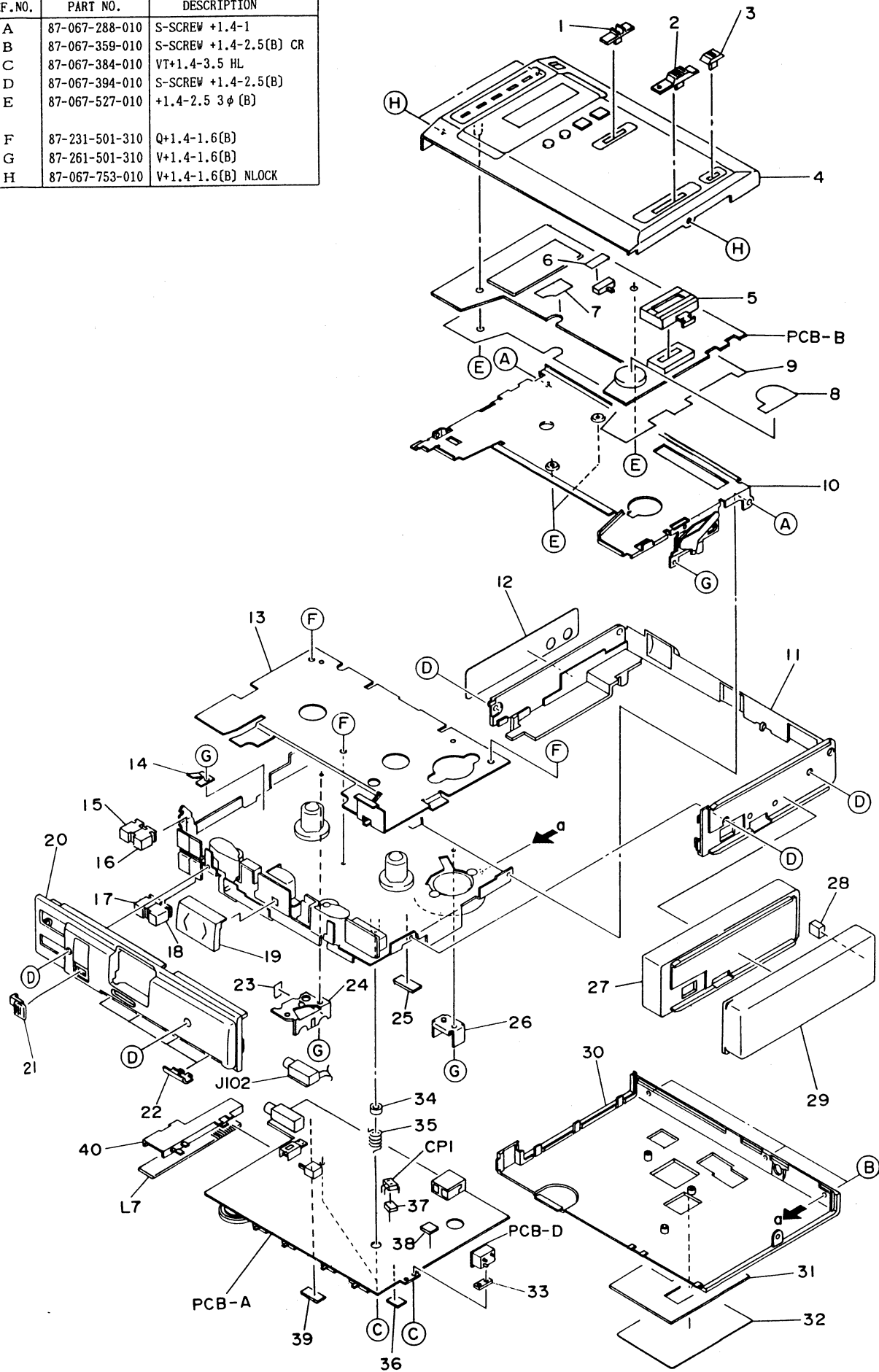


ADJUSTMENT



EXPLODED VIEW - 1

REF.NO.	PART NO.	DESCRIPTION
A	87-067-288-010	S-SCREW +1.4-1
B	87-067-359-010	S-SCREW +1.4-2.5(B) CR
C	87-067-384-010	VT+1.4-3.5 HL
D	87-067-394-010	S-SCREW +1.4-2.5(B)
E	87-067-527-010	+1.4-2.5 3φ (B)
F	87-231-501-310	Q+1.4-1.6(B)
G	87-261-501-310	V+1.4-1.6(B)
H	87-067-753-010	V+1.4-1.6(B) NLOCK

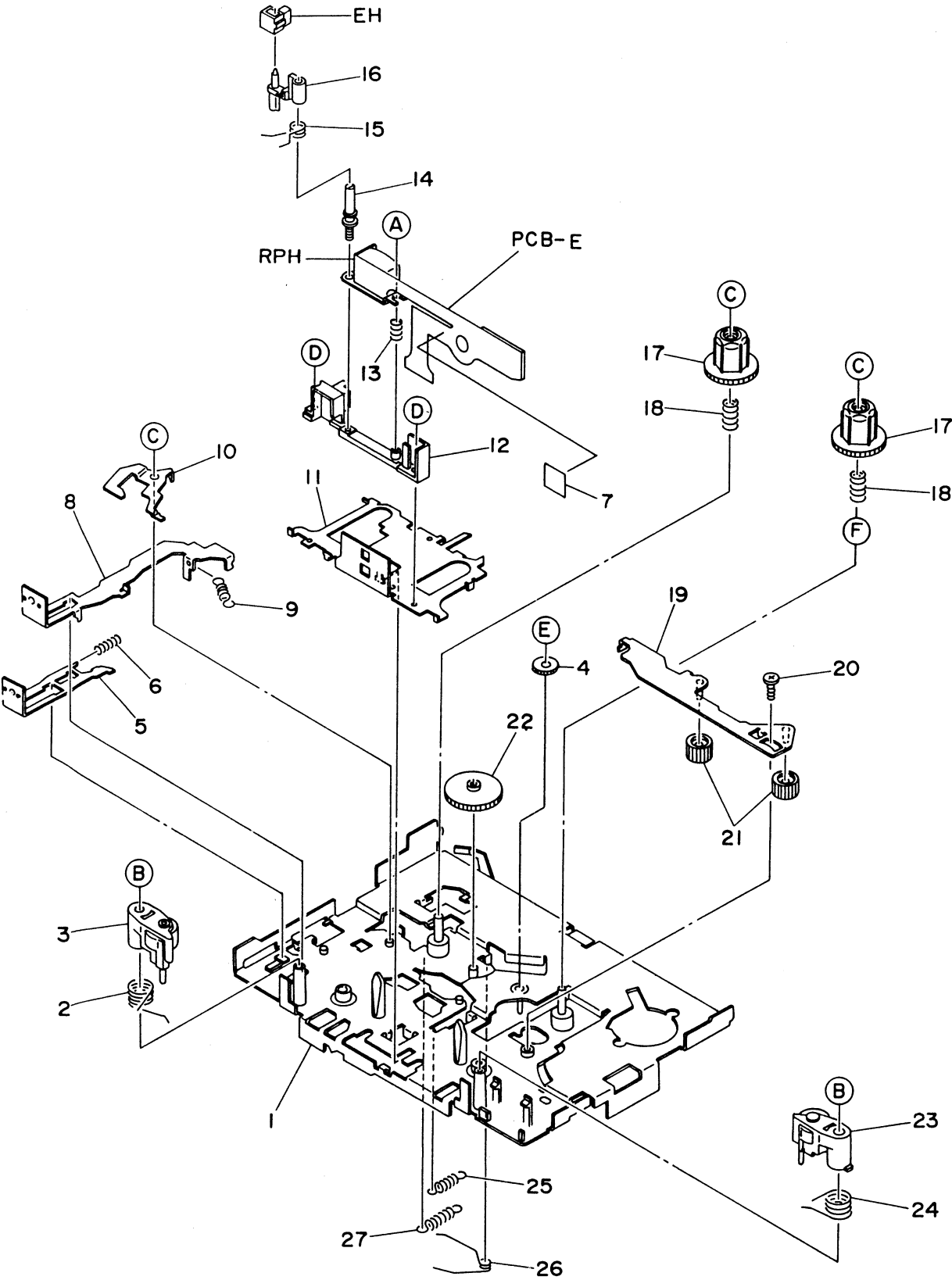


MECHANICAL PARTS LIST

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q, TY
	1-1	*80-HJ3-006-010	KNOB,SLIDE BAND	*	1
	1-2	*80-HJ3-007-010	KNOB,SLIDE BBE	*	1
	1-3	*80-HJ3-005-010	KNOB,SLIDE DSL	*	1
	1-4	09-027-828-010	LID CASSETTE ASSY	*	1
	1-5	*80-HJ3-205-010	HOLDER,VOLUME	*	1
	1-6	*80-HJ3-210-010	SHEET,3.5-10	*	1
	1-7	*80-HJ3-209-010	SHEET,7-12.5	*	1
	1-8	*80-HJ3-207-010	SHEET,BATTERY	*	1
	1-9	*80-HJ3-204-010	SHEET,INSULATION	*	1
	1-10	*80-HJ3-206-010	HOLDER CASSETTE ASSY	*	1
	1-11	*84-462-063-110	FRAME CENTER K ASSY		1
	1-12	*80-HJ3-012-010	PLATE,SIDE	*	1
	1-13	*80-HJ4-020-010	PANEL,DECORATIVE		1
	1-14	*84-463-209-010	P-SPRING,POP UP		1
	1-15	*84-518-012-010	PUSH BUTTON,STOP		1
	1-16	*84-518-013-010	PUSH BUTTON,REC		1
	1-17	*84-518-010-010	PUSH BUTTON,FF		1
	1-18	*84-518-011-010	PUSH BUTTON,REW		1
	1-19	*84-465-028-010	BUTTON,PLAY R		1
	1-20	*80-HR4-003-010	PANEL,CONTROL		1
	1-21	*84-462-014-010	KNOB,DIRECTION		1
	1-22	*84-518-018-010	KNOB,SLIDE A		4
	1-23	*80-HJ4-220-010	SHEET,JACK		1
	1-24	*80-HJ4-213-210	HOLDER,JACK		1
	1-25	*84-462-220-010	CUSHION,G 6-6-2.7		1
	1-26	*84-462-204-010	HOLDER,JACK DC		1
	1-27	09-027-818-010	BOX BATTERY ASSY	*	1
	1-28	*84-435-241-010	CUSHION,5-6-3		1
	1-29	*84-462-018-010	BOX,BATTERY A		1
	1-30	*80-HJ3-011-010	CABINET,REAR	*	1
	1-31	*84-462-225-010	AD SHEET,SPEC		1
	1-32	*80-HJ3-009-010	PLATE,SPEC H	*	1
	1-33	---	SPACER,CONTACT		1
	1-34	*84-462-241-010	SPACER,BOSS A		1
	1-35	*84-462-218-010	C-SPRING,MECHANISM EARTH A		1
	1-36	*82-299-509-010	HIMERON,7-14		1
	1-37	*84-462-207-010	SHEET,SENSOR		1
	1-38	*84-462-237-010	SHEET,PB		1
	1-39	*80-HJ4-222-010	SHEET,4-3-1.5		1
	1-40	*84-462-210-010	HOLDER,BAR ANTENNA		1
		*09-027-829-010	APPEARANCE SCREW KIT	*	1

EXPLODED VIEW - 2

REF.NO.	PART NO.	DESCRIPTION
A	87-268-512-310	V+1.4-5.5(3)
B	87-067-517-010	S-SCREW M1.4-2
C	87-067-516-010	PW3-1.58-0.25
D	87-067-511-010	S-SCREW M1.4-2(B)
E	87-067-449-010	PW3-1.5-0.25 CUT
F	86-541-431-010	PW REEL

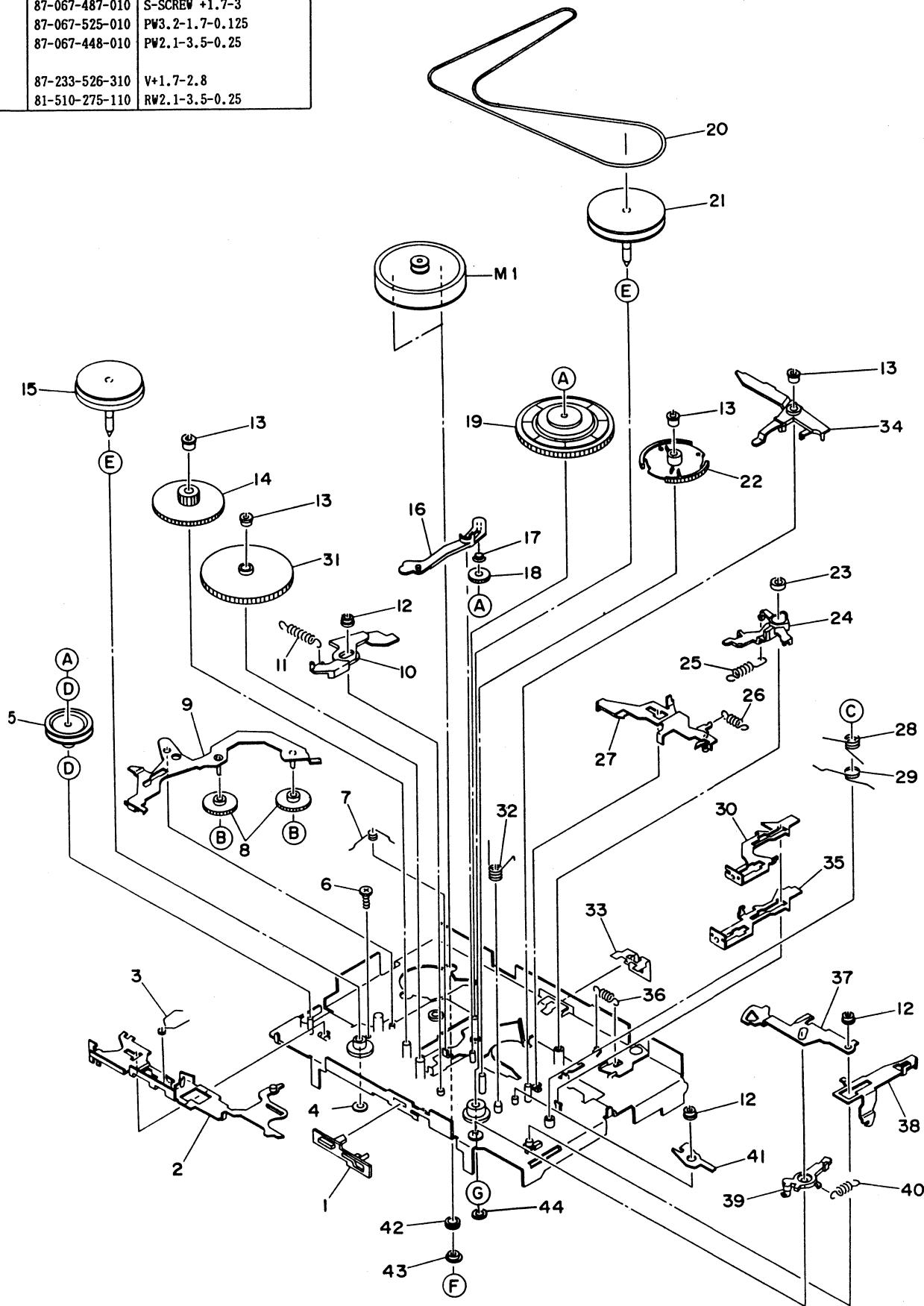


PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q, TY
	2-1	*86-541-508-010	OUTSERT ASSY BP		1
	2-2	*86-541-338-110	T-SPRING,PINCH R P		1
	2-3	86-541-218-110	PINCH LEVER R ASSY		1
	2-4	*86-541-477-210	GEAR,PLAY M		1
	2-5	*86-556-255-110	PLATE,STOP		1
	2-6	*86-541-329-010	C-SPRING,STOP		1
	2-7	*86-541-421-010	MYLAR,FLEXBLE		1
	2-8	*86-541-497-010	PLATE,REC B		1
	2-9	*86-541-312-110	E-SPRING,REC LOCK		1
	2-10	*86-541-277-110	LEVER,REC LOCK		1
	2-11	*86-541-260-810	CHASSIS,ACTUATING		1
	2-12	*86-541-283-110	GUIDE,TAPE		1
	2-13	*86-541-318-110	C-SPRING,AZIMUTH		1
	2-14	*86-541-369-010	SCREW,EH M1.4		1
	2-15	*86-541-344-010	T-SPRING,EH LEVER		1
	2-16	*86-541-287-210	LEVER,EH		1
	2-17	*86-541-236-010	GEAR,REEL PLATFORM		2
	2-18	*86-541-328-010	C-SPRING,REEL PLATFORM		2
	2-19	*86-541-509-410	PLATE FR ASSY		1
	2-20	*86-541-383-110	SCREW,FR		1
	2-21	*86-541-244-010	GEAR,FR		2
	2-22	*86-541-239-010	GEAR,REW		1
	2-23	86-541-216-110	PINCH LEVER F ASSY		1
	2-24	*86-541-314-010	T-SPRING,PINCH F R		1
	2-25	*86-541-331-010	E-SPRING,ACTUATING		1
	2-26	*86-541-347-110	T-SPRING,FR LEVER		1
	2-27	*86-541-336-010	E-SPRING,REC		1

EXPLODED VIEW - 3

REF. NO.	PART NO.	DESCRIPTION
A	87-067-447-010	PW3-1.215-0.25
B	87-067-449-010	PW3-1.5-0.25
C	87-067-487-010	S-SCREW +1.7-3
D	87-067-525-010	PW3.2-1.7-0.125
E	87-067-448-010	PW2.1-3.5-0.25
F	87-233-526-310	V+1.7-2.8
G	81-510-275-110	RW2.1-3.5-0.25

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q, TY
	3-1	*84-518-019-010	KNOB, DIRECTION MODE		1
	3-2	*86-541-222-110	PLATE PINCH SELECT ASSY		1
	3-3	*86-541-320-610	T-SPRING, PLAY LEVER		1
	3-4	*87-067-605-010	SHEET, SOMA 3.5-1.45-0.3		1
	3-5	*86-541-235-110	PULLEY, RELAY B		1
	3-6	*86-541-383-110	SCREW, FR		1
	3-7	*86-541-334-210	T-SPRING, AUTO LEVER		1
	3-8	*86-541-242-310	GEAR, PLAY		2
	3-9	*86-541-479-110	LEVER, PLAY ASSY M		1
	3-10	*86-541-288-410	LEVER, MODE SELECT		1
	3-11	*86-541-341-010	E-SPRING, MODE SELECT		1
	3-12	*86-541-376-010	COLLAR, PW-BOARD P		3
	3-13	*86-541-367-010	COLLAR, PW-BOARD J		4
	3-14	*86-541-240-010	GEAR, SLOW-DOWN		1
	3-15	*86-541-481-210	FLYWHEEL FWD ASSY		1
	3-16	*86-541-285-110	LEVER, AUTO		1
	3-17	*86-541-325-010	C-SPRING, AUTO GEAR		1
	3-18	*86-541-241-010	GEAR, AUTO		1
	3-19	*86-541-206-010	GEAR, CLUTCH ASSY		1
	3-20	*86-541-371-010	BELT, B1		1
	3-21	*86-541-482-310	FLYWHEEL ASSY RVS		1
	3-22	*86-541-238-510	GEAR, CAM		1
	3-23	*84-462-208-010	SPACER, BOSS		1
	3-24	*86-541-291-110	LEVER, REC EJECT BR		1
	3-25	*86-541-297-010	E-SPRING, REC EJECT		1
	3-26	*86-541-332-010	E-SPRING, PLATE LOCK		1
	3-27	*86-541-223-310	PLATE EJECT ASSY A		1
	3-28	*86-541-349-010	T-SPRING, FR BUTTON		1
	3-29	*86-541-339-010	T-SPRING, TRIGGER		1
	3-30	*86-541-495-010	PLATE, REW		1
	3-31	*86-541-237-010	GEAR, AUTO CAM		1
	3-32	*86-541-345-110	T-SPRING, SELECT CAM		1
	3-33	*86-541-323-010	P-SPRING, CASSETTE SUPPORT		1
	3-34	*86-541-284-310	LEVER, TRIGGER		1
	3-35	*86-541-494-010	PLATE, FF		1
	3-36	*86-541-330-010	E-SPRING, REC BLOCKING		1
	3-37	*86-541-278-310	LEVER, EH RESET		1
	3-38	*86-541-263-210	PLATE, EJECT		1
	3-39	*86-541-286-010	LEVER, DIRECTION		1
	3-40	*86-541-343-010	E-SPRING, DIRECTION		1
	3-41	*86-541-273-110	LEVER, TRIGGER LOCK		1
	3-42	*86-511-445-010	G CUSHION, MOTOR		2
	3-43	*86-511-449-110	COLLAR, MOTOR B		2
	3-44	*87-034-739-010	SHEET, SOMA 1.63-3.2-0.3		1
		*09-027-568-010	COLLAR, PW-BOARD (PJ) KIT	*	1



■ ACCESSORIES/PACKAGE LIST

PART NO. CHANGED TO	REF. NO.	PART NO.	DESCRIPTION	COMMON MODEL	Q , TY
	1	★ 80 - HJ3 - 901 - 010	INSTRUCTION BOOKLET, EX	※	1
	2	★ 80 - HJ3 - 951 - 010	CARRYING CASE	※	1
	3	★ 87 - 041 - 057 - 010	MIC, CM - S30		1
	4	★ 09 - 027 - 818 - 010	BATTERY BOX ASSY	※	1
	5	★ 84 - 462 - 018 - 010	BOX, BAT A		1
	6	★ 87 - 042 - 053 - 019	AC - 207H (AH1)		1
	7	★ 87 - 042 - 054 - 010	AC - 207U (AU, AC)		1
	8	★ 87 - 042 - 055 - 010	AC - 207E (AE, AE1, AZ)		1
	9	★ 87 - 042 - 056 - 010	AC - 207K (AK1)		1
	10	★ 87 - 047 - 100 - 010	PB - 3Y		1
	11	87 - 048 - 162 - 010	HP - 19 BK (AH1, AE1, AK1)		1
	12	87 - 048 - 173 - 010	HP - M18 (AU, AC, AE, AZ)		1